

Resource Summary Report

Generated by [dkNET](#) on Sep 10, 2026

WKY-Adcy3^{em2Mcwi/-}

RRID:RGD_19165364

Type: Organism

Proper Citation

RRID:RGD_19165364

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=19165364>

Proper Citation: RRID:RGD_19165364

Description: Rattus norvegicus with name WKY-Adcy3^{em2Mcwi/-} from RGD.

Species: Rattus norvegicus

Notes: Cas9 protein and sgRNA targeting the sequence CCTTTTGCAGAGCACGAAA within exon 2 of Adcy3 were injected into embryos of the WKY/NCrl strain. A 3-bp deletion resulted (rn7: chr6:27,126,062-27,126,064). Contact Dr. Solberg-Woods at Wake Forest University School of Medicine, Email: Isolberg@wakehealth.edu

Catalog Number: 19165364

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Live Animals (as of 2026-03-05)

Alternate IDs: 19165364

Organism Name: WKY-Adcy3^{em2Mcwi/-}

Record Creation Time: 20250611T090509+0000

Record Last Update: 20260905T135247+0000

Ratings and Alerts

No rating or validation information has been found for WKY-*Adcy3^{em2Mcwi/-}*.

No alerts have been found for WKY-*Adcy3^{em2Mcwi/-}*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Fitzpatrick MK, et al. (2025) A Mutation in the Transmembrane Domain of Adenylate Cyclase 3 Impairs Enzymatic Function to Cause Sex-Specific Depression- and Anxiety-Like Behaviors and Food Seeking in a Rat Model. *Genes, brain, and behavior*, 24(3), e70028.